

FIG. 1

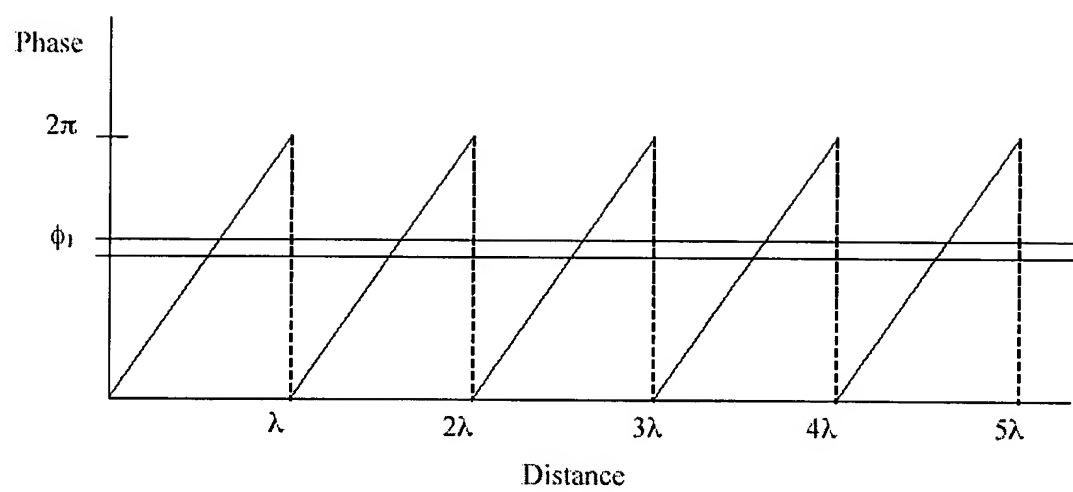


FIG. 2

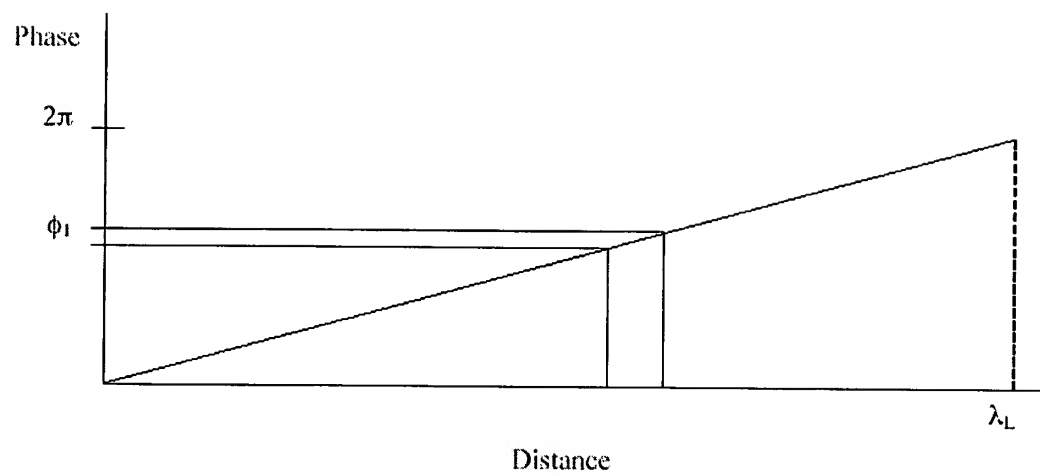


FIG. 3

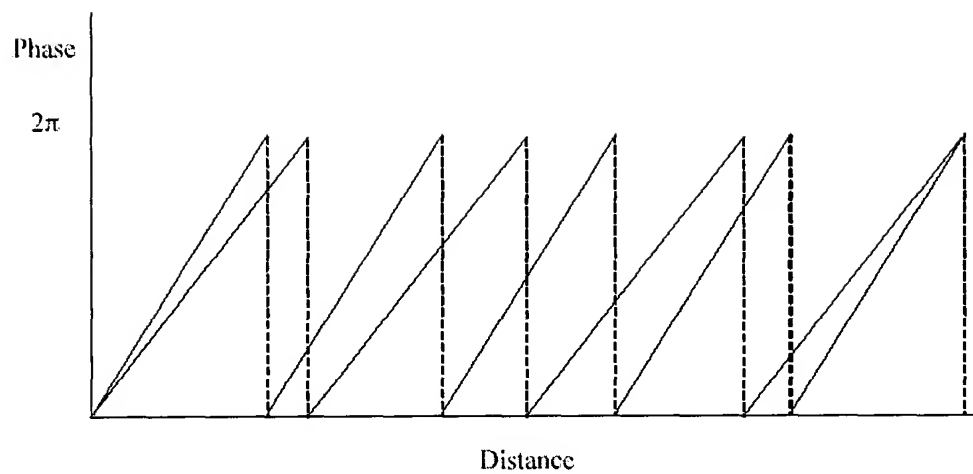


FIG. 4

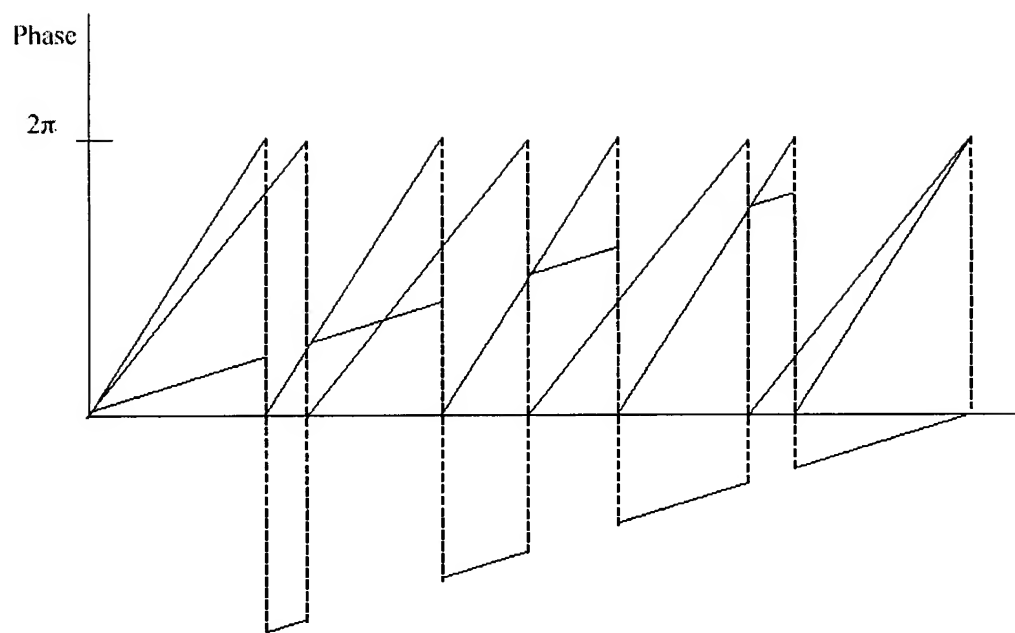


FIG. 5

$$H = |\mathbf{O} + \mathbf{R}|^2 \quad (2.1)$$

$$H = |\mathbf{O}|^2 + \mathbf{O}^* \mathbf{R} + \mathbf{O} \mathbf{R}^* + |\mathbf{R}|^2 \quad (2.2)$$

$$E(x, y, z) = \frac{-ik}{2\pi} \iint_{\Sigma} dx_0 dy_0 E_0(x_0, y_0) \frac{e^{ikr}}{r} \quad (2.3)$$

$$\phi = \mathbf{m} \cdot \mathbf{x} \quad (2.4)$$

$$\mathbf{m} = \frac{2\pi(\lambda_1 - \lambda_2)}{\lambda_1 \lambda_2} \quad (2.5)$$

$$\lambda_2 \geq \frac{\Delta\varphi}{\mathbf{m}} = \frac{\Delta\varphi \lambda_1 \lambda_2}{2\pi(\lambda_1 - \lambda_2)} \quad (2.6)$$

$$\Delta\varphi_b = \frac{2\pi(\lambda_1 - \lambda_2)}{\lambda_2} \quad (2.7)$$

$$\Delta\varphi_s = \frac{\Delta\varphi_b}{2} = \frac{\pi(\lambda_1 - \lambda_2)}{\lambda_2} \quad (2.8)$$

$$x_r = \frac{\lambda_1 \lambda_2}{\lambda_1 - \lambda_2} \quad (2.9)$$

$$x_r = \frac{\pi \lambda_1}{\Delta\varphi_s} \quad (2.10)$$

$$\Delta x = \frac{\Delta\varphi_s \lambda_2}{2\pi} \quad (2.11)$$

$$\lambda_1 = \frac{x_r \lambda_2}{x_r - \lambda_2} \quad (2.12)$$

FIG. 6

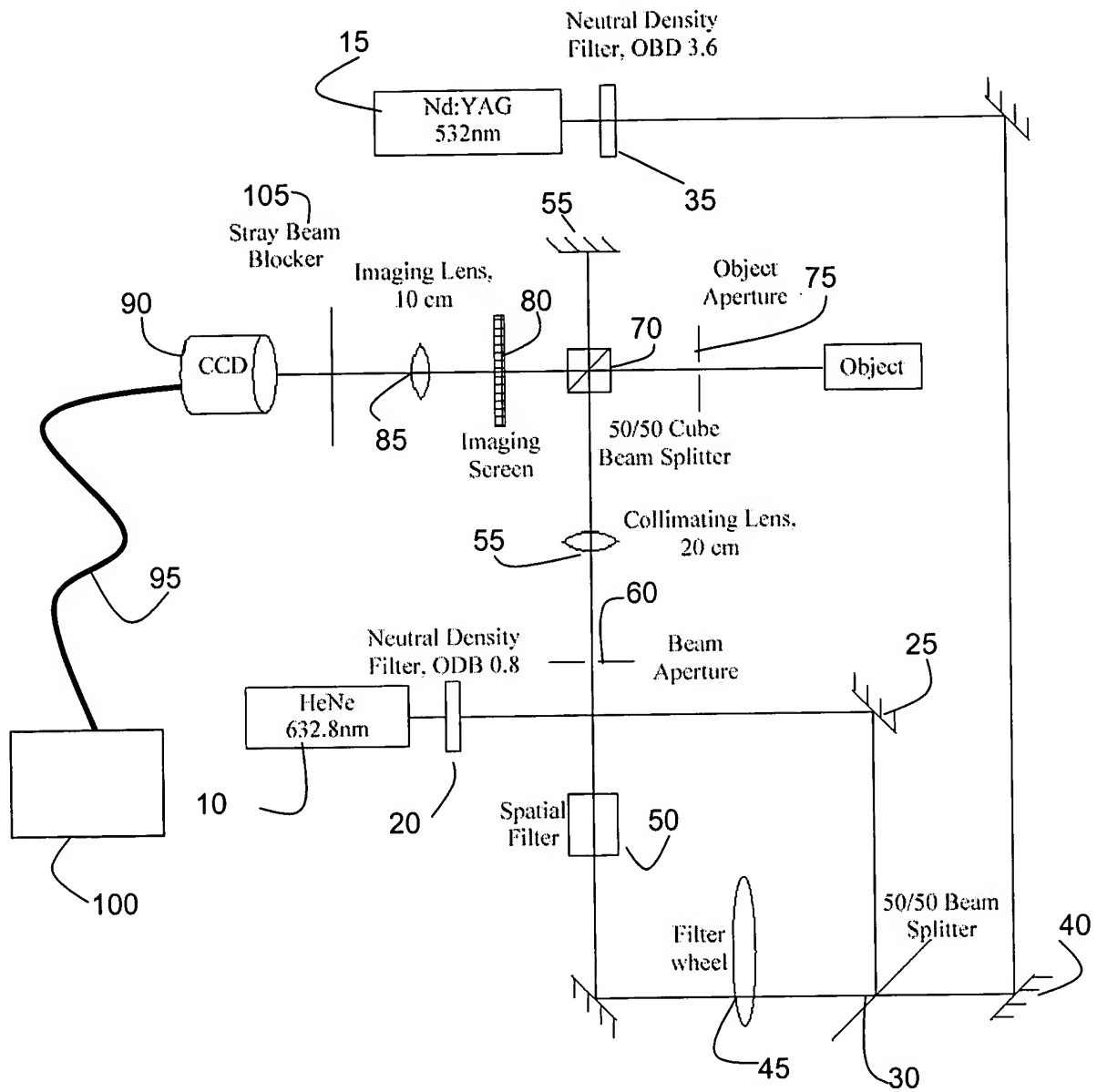


FIG. 7

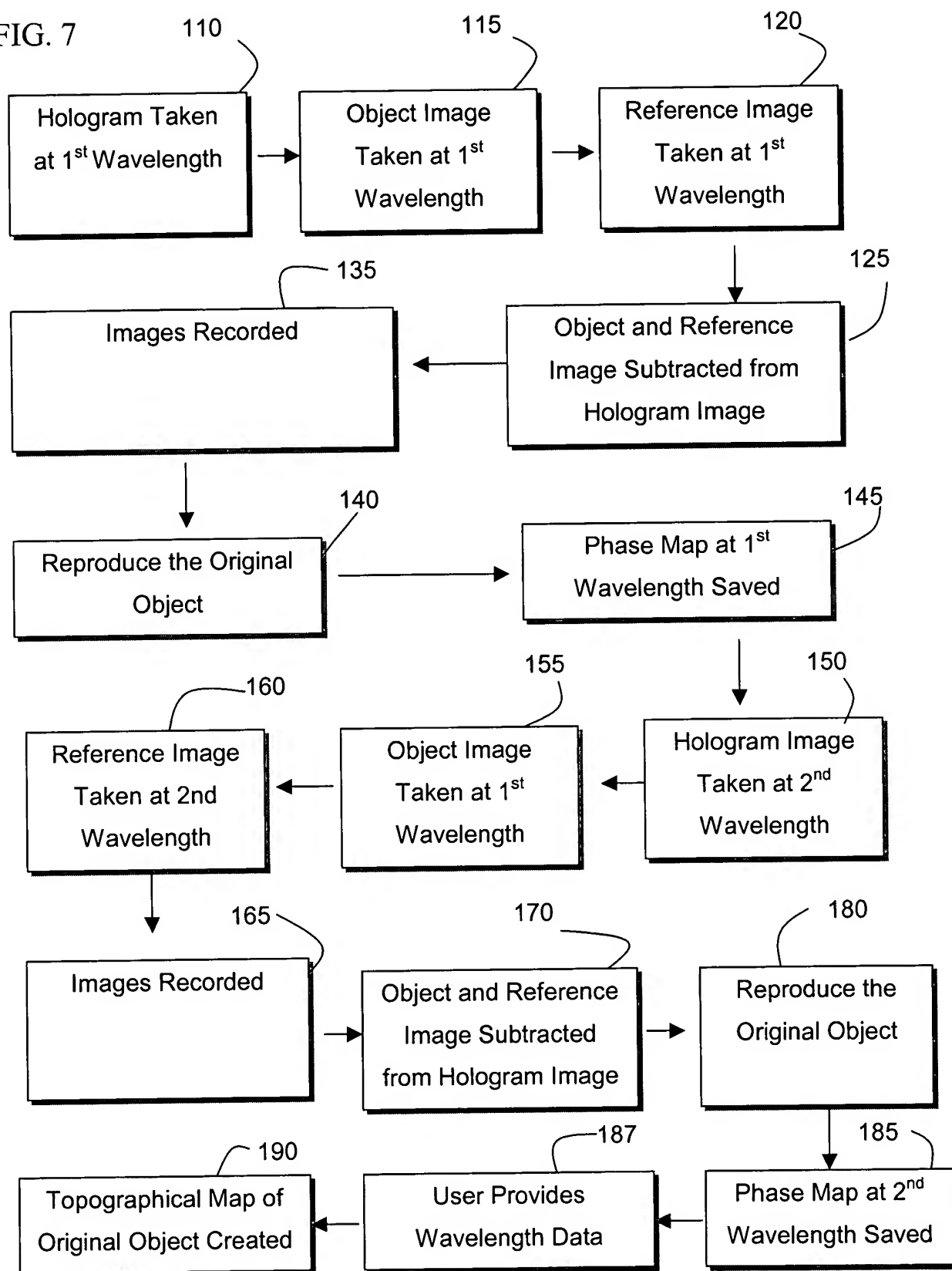


FIG. 8

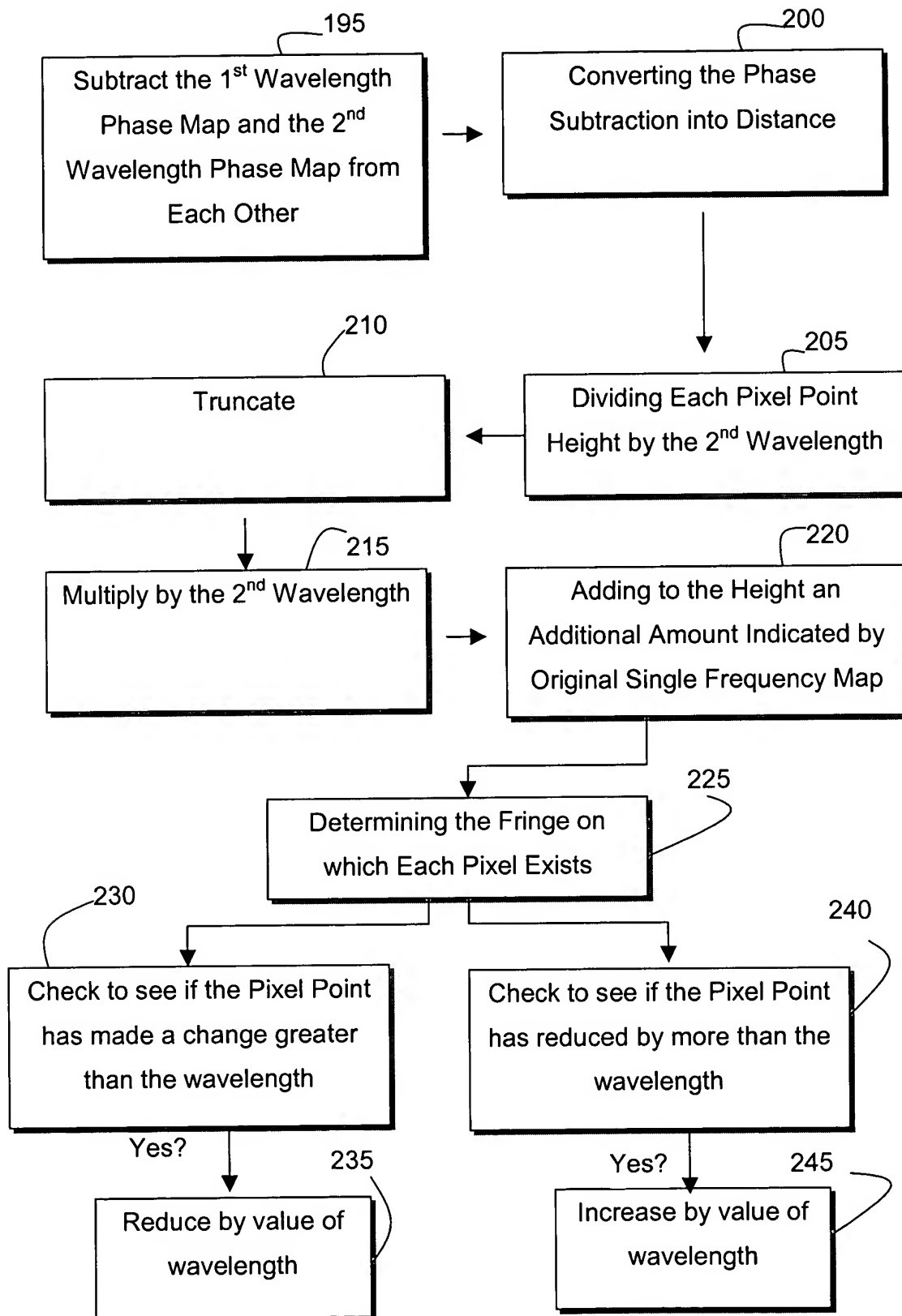




FIG. 9

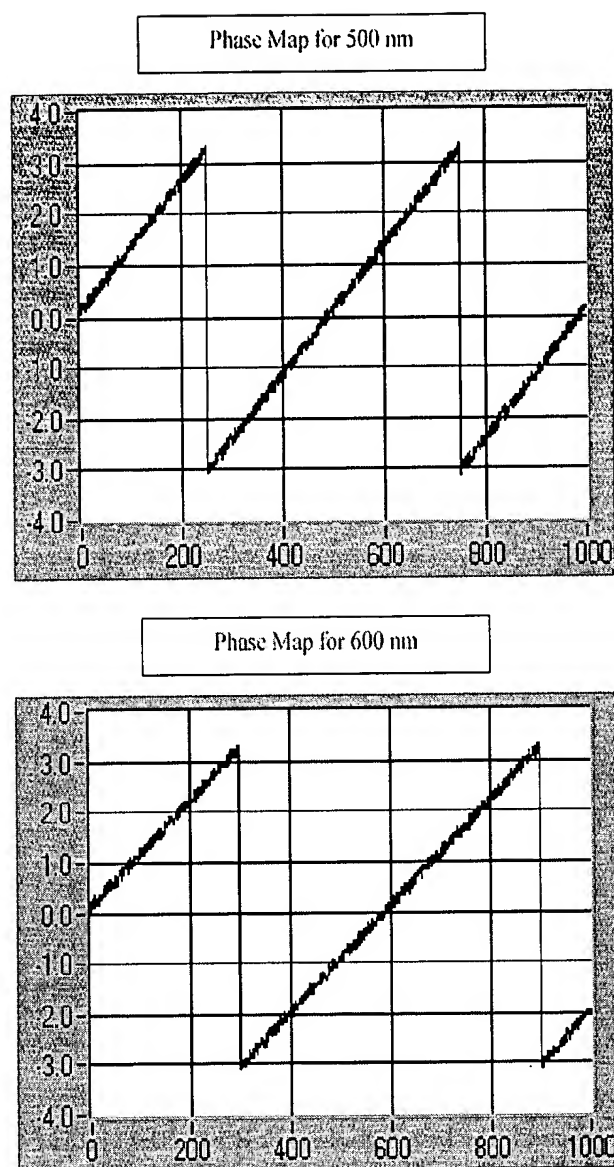


FIG. 10

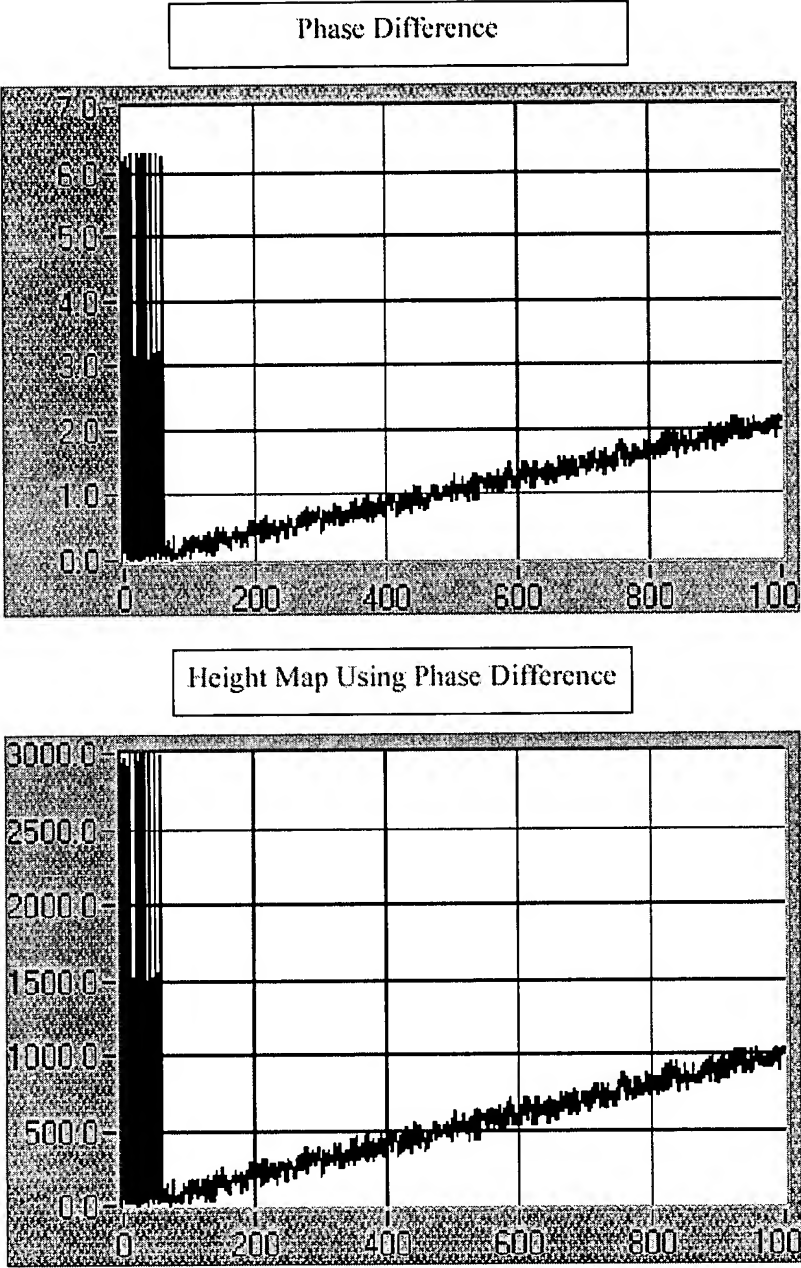


FIG. 11

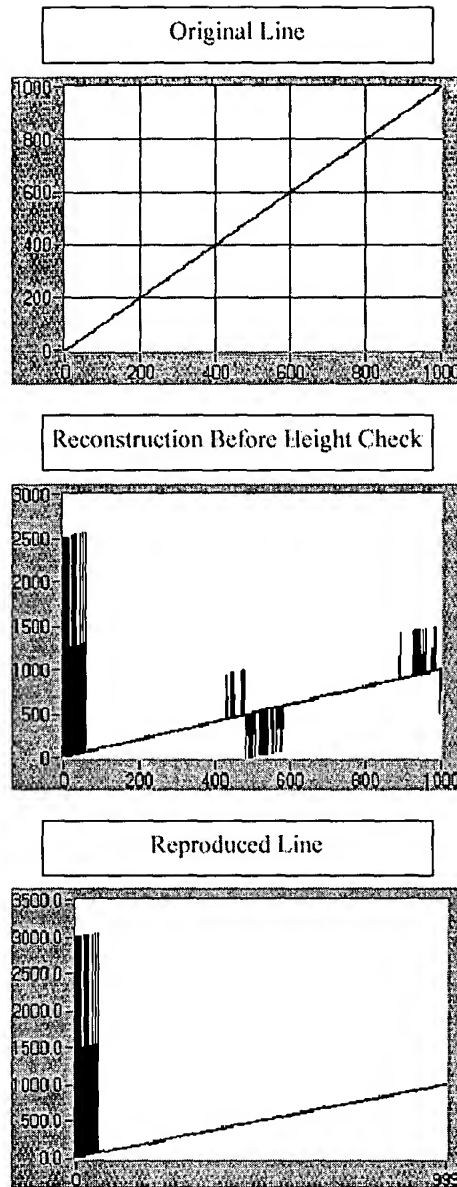


FIG. 12

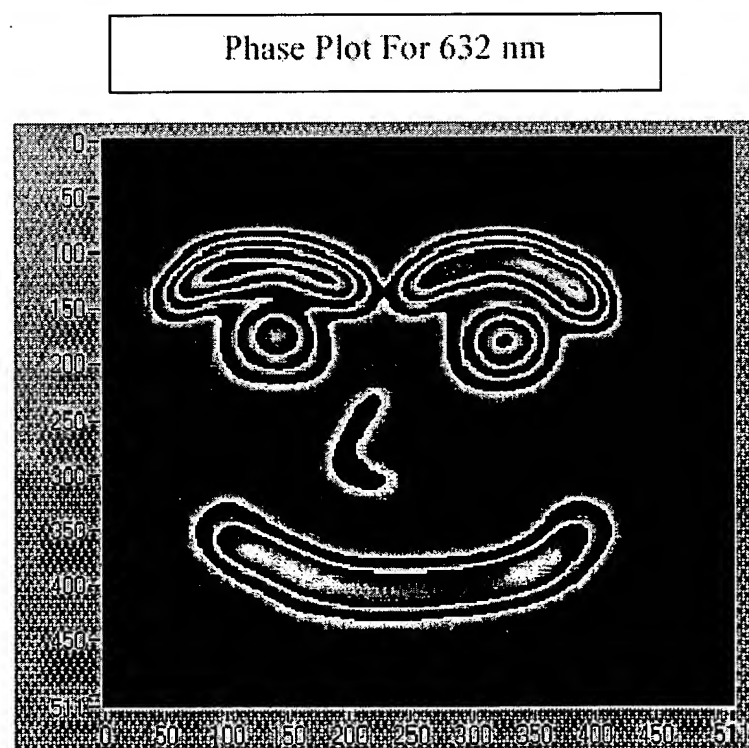
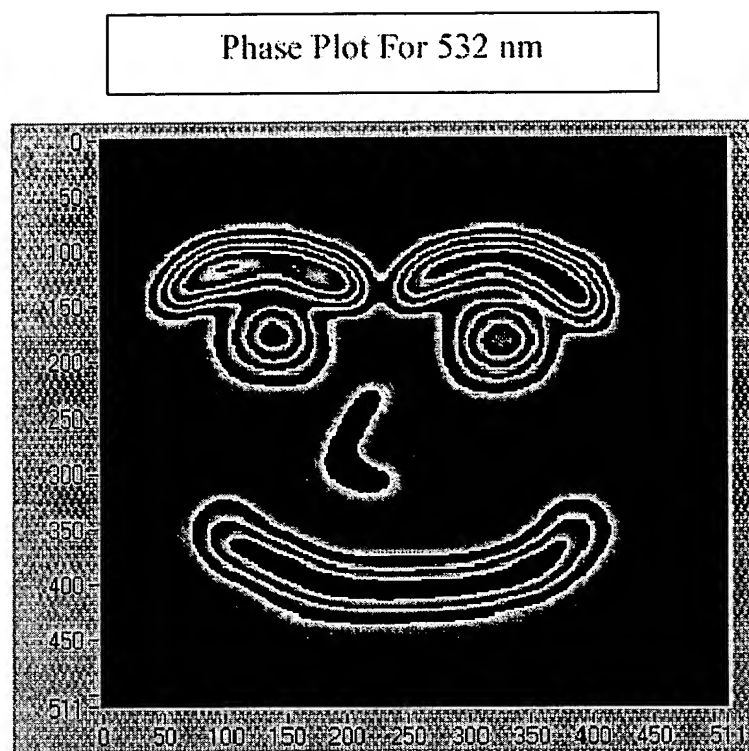


FIG. 13

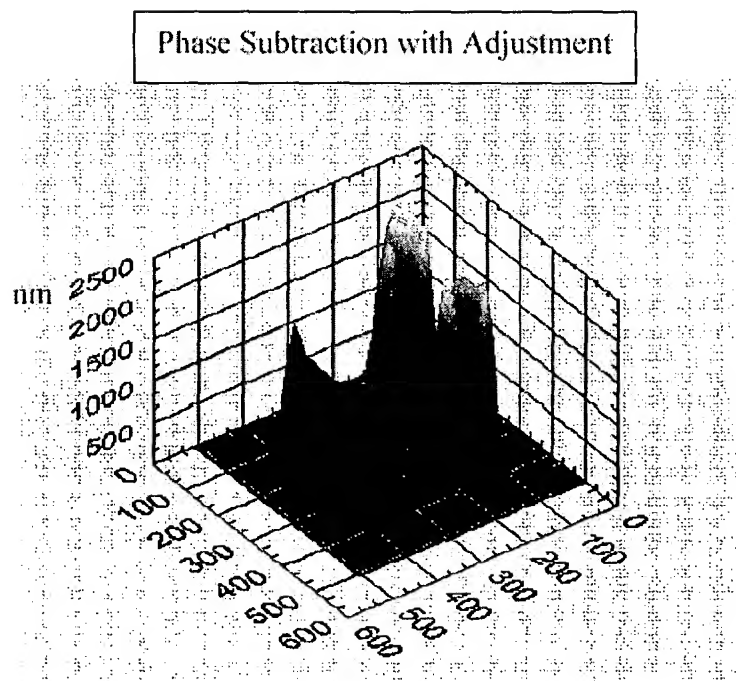
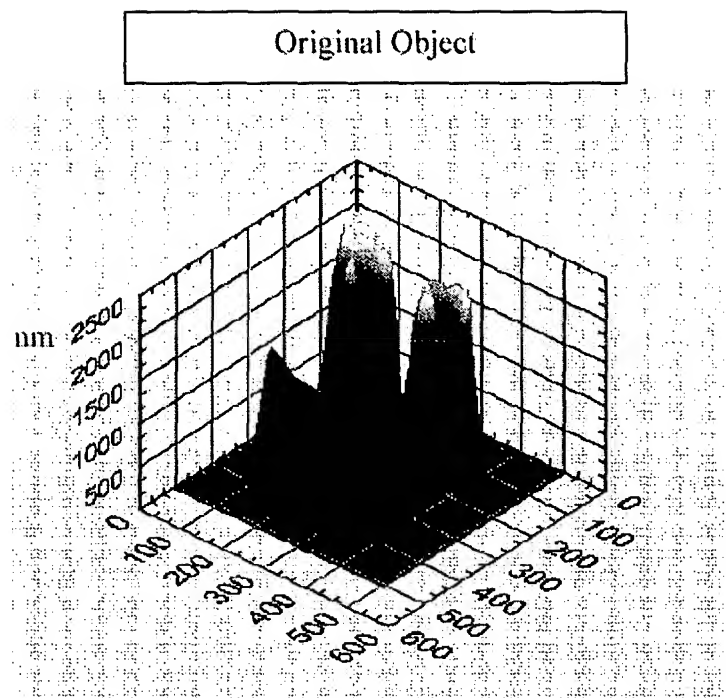


FIG. 14

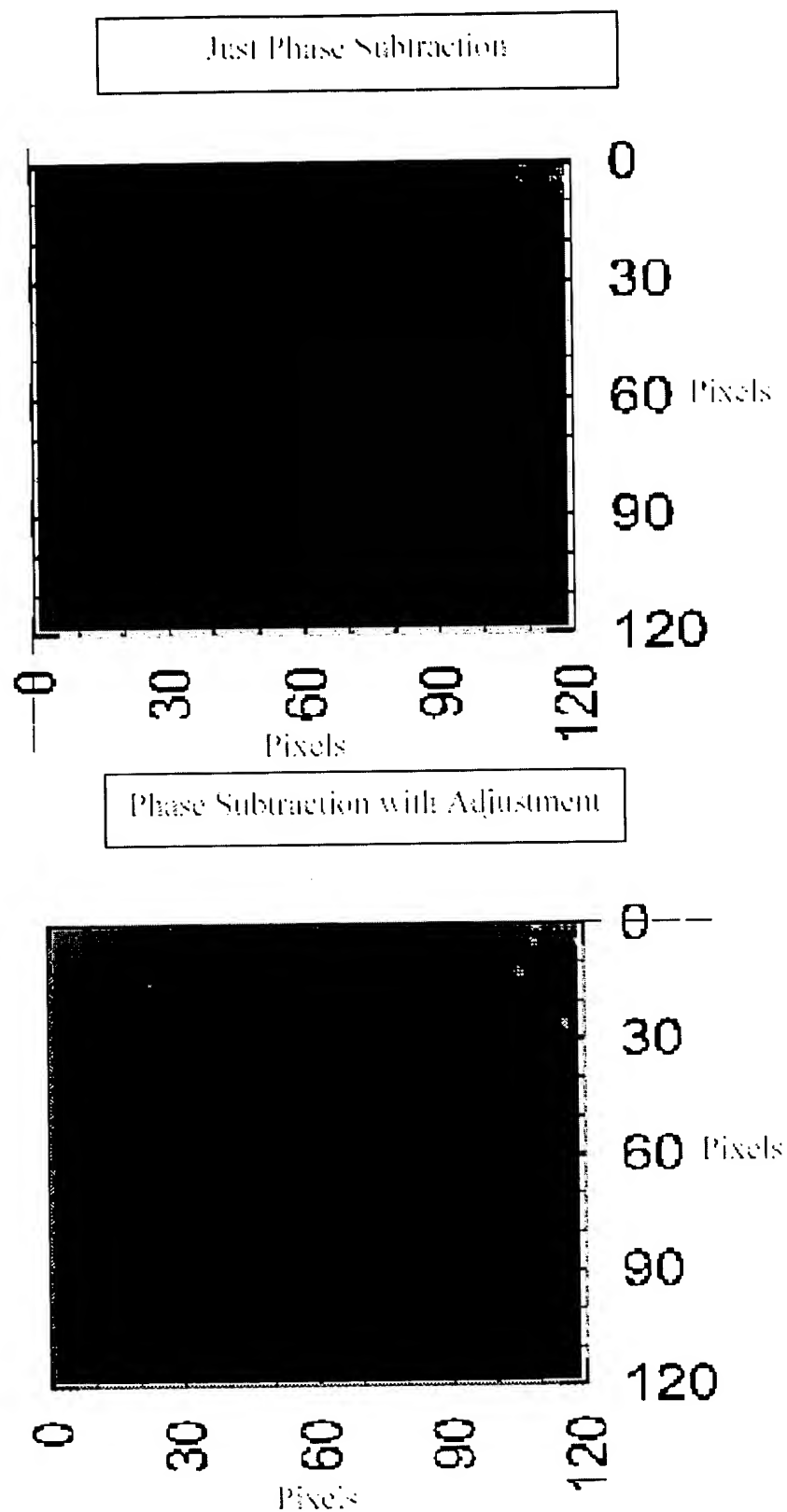
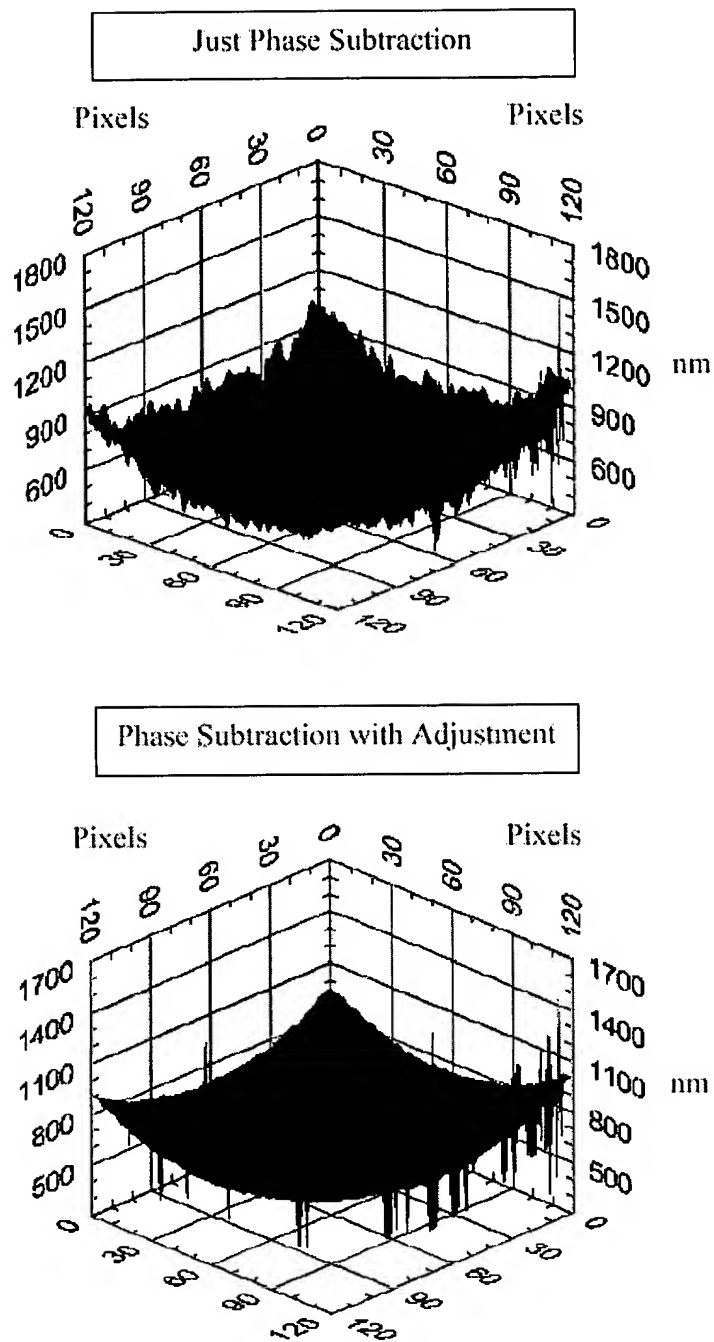
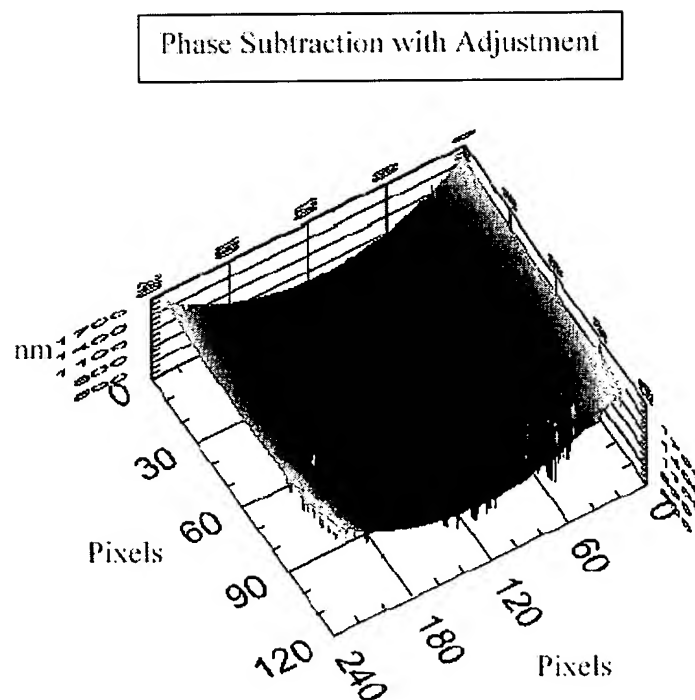
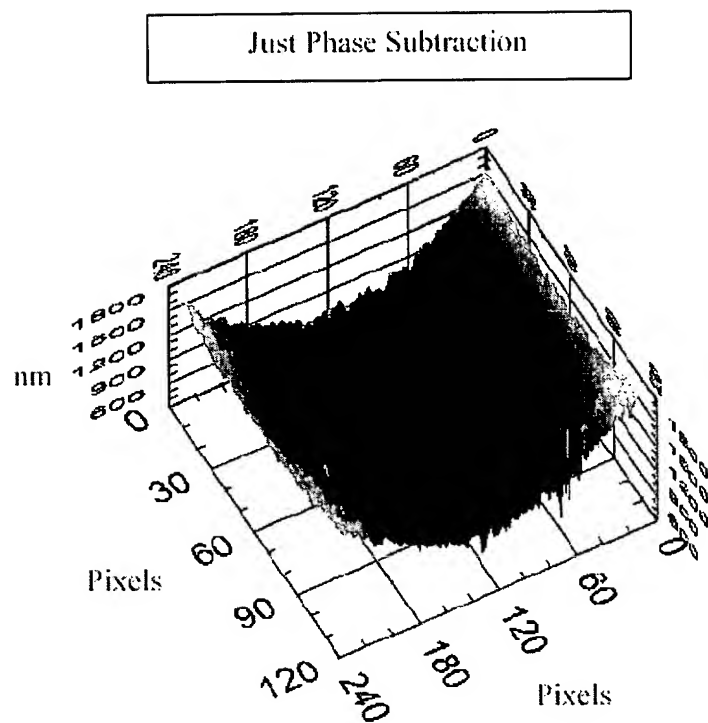


FIG. 15



BEST AVAILABLE COPY

FIG. 16



BEST AVAILABLE COPY



FIG. 17

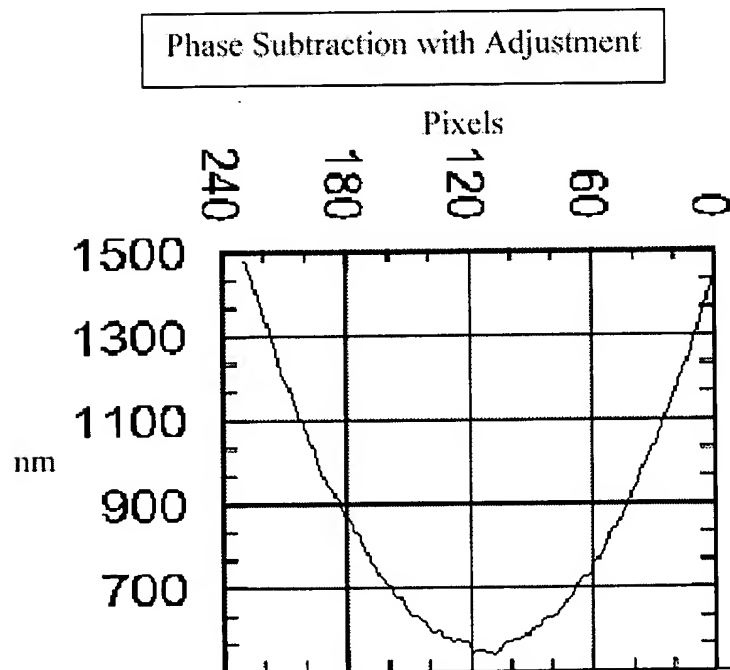
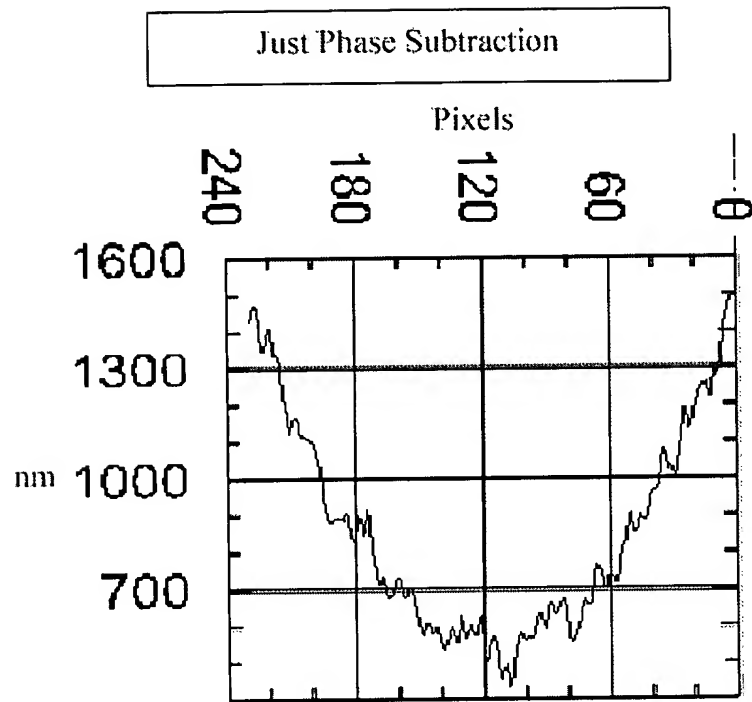


FIG. 18

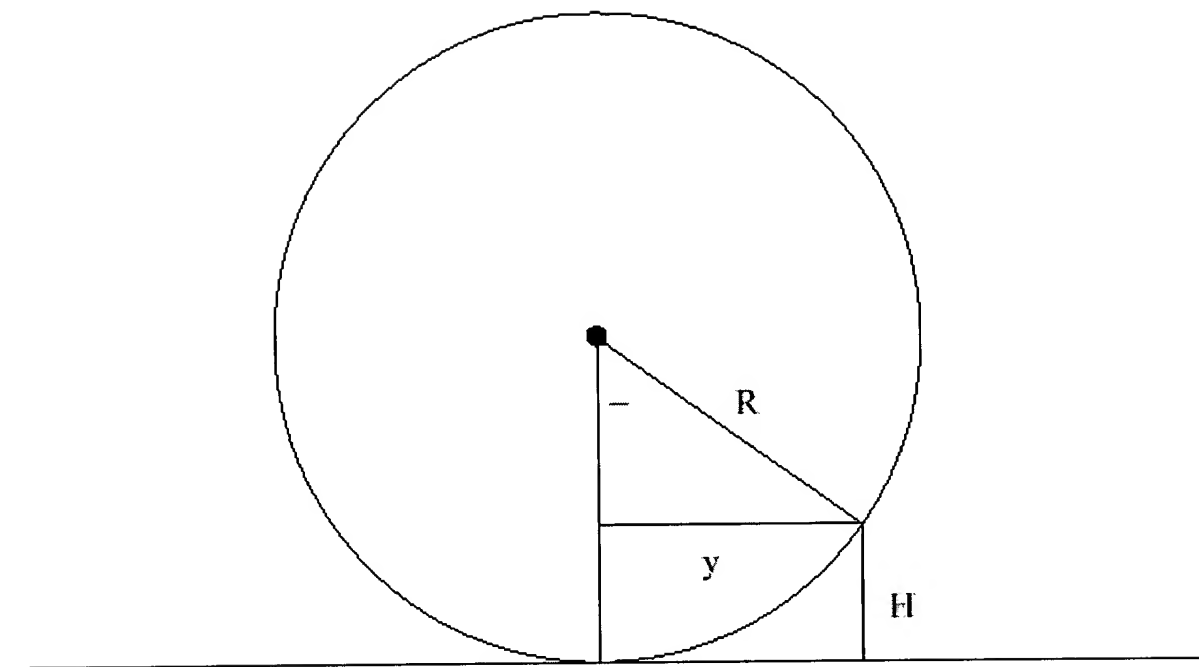


FIG. 19

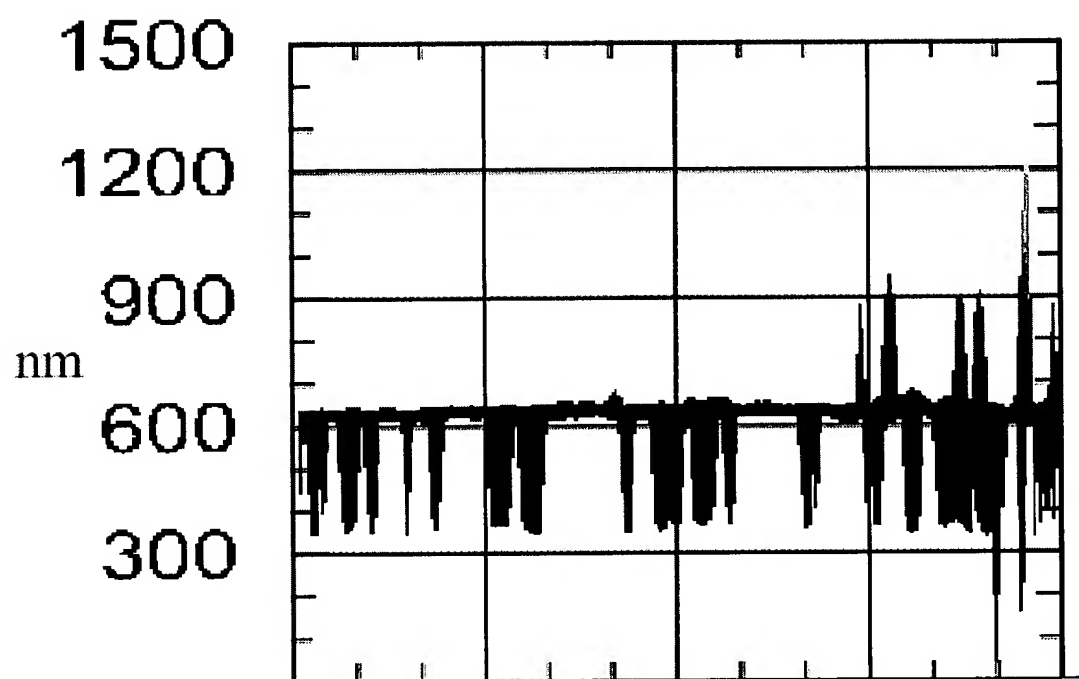


FIG. 20

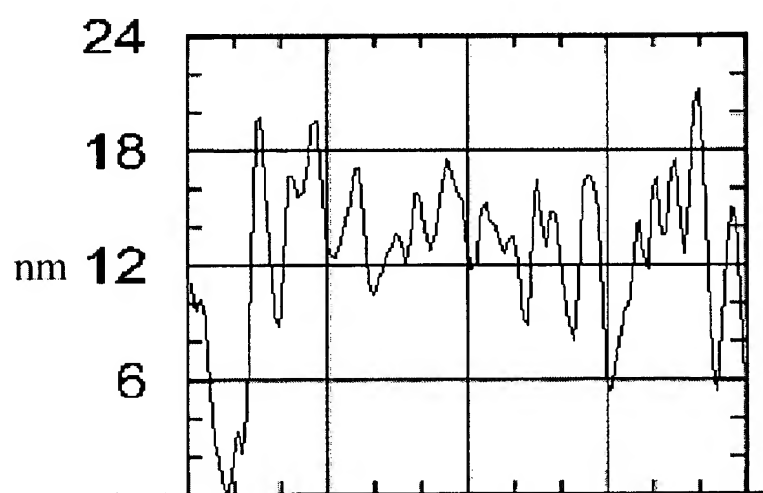
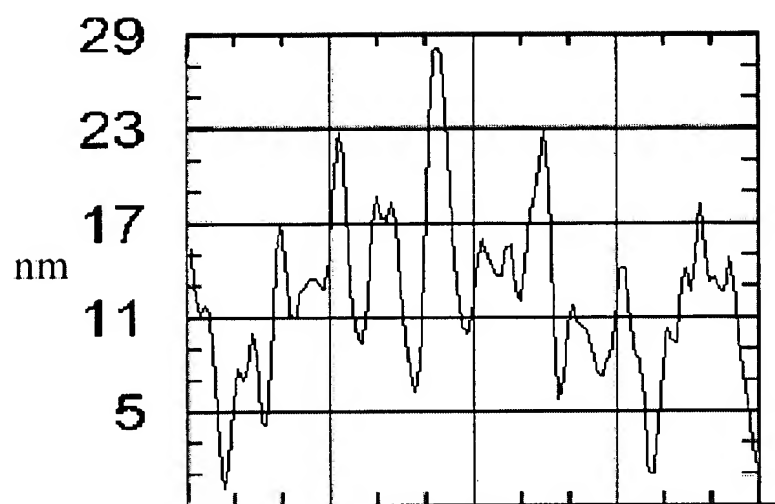


FIG. 21

$$R - R \cos \theta = H \quad (7.1)$$

$$\cos \theta = 1 - \frac{\theta^2}{2} \quad (7.2)$$

$$\theta = \sin \theta = \frac{y}{R} \quad (7.3)$$

$$R - R(1 - \frac{y^2}{2R^2}) = H \quad (7.4)$$

$$R = \frac{y^2}{2H} \quad (7.5)$$

FIG. 22

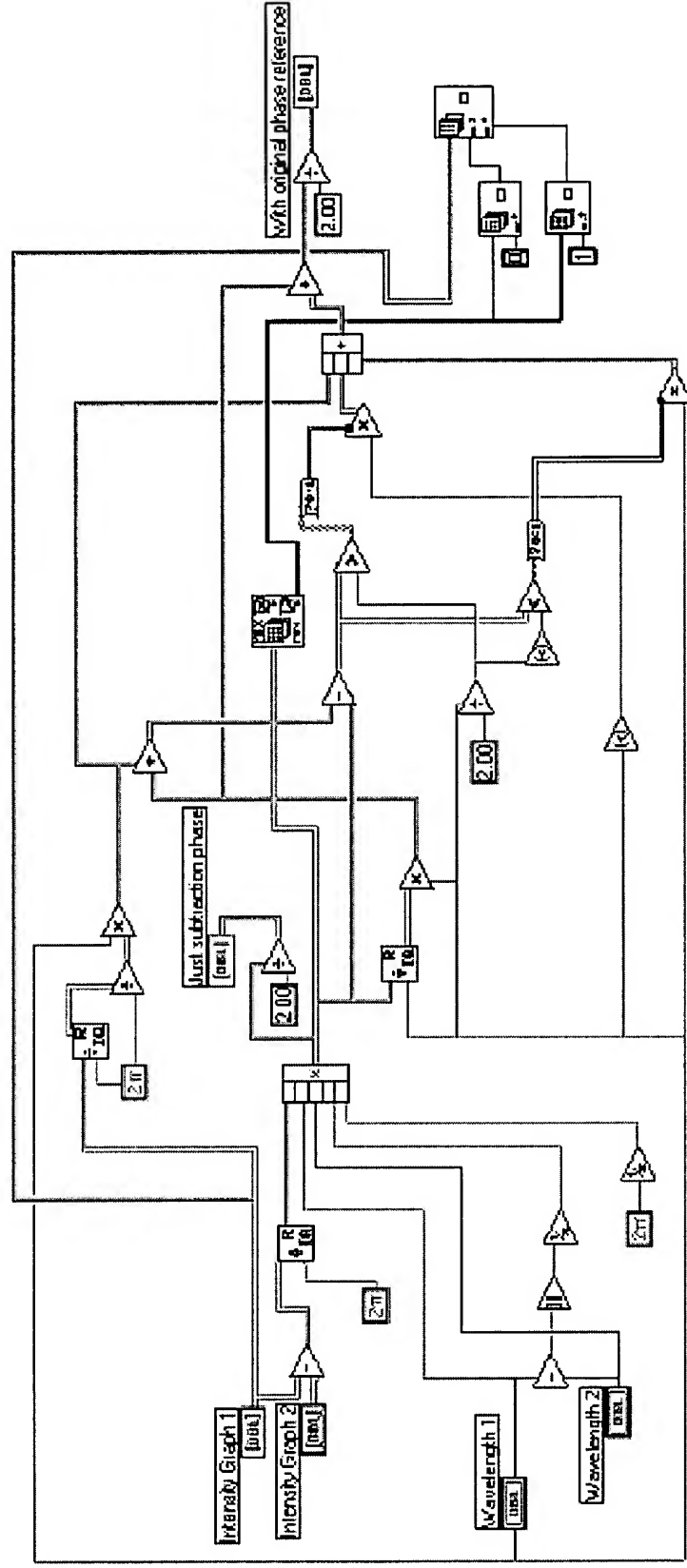


FIG. 23

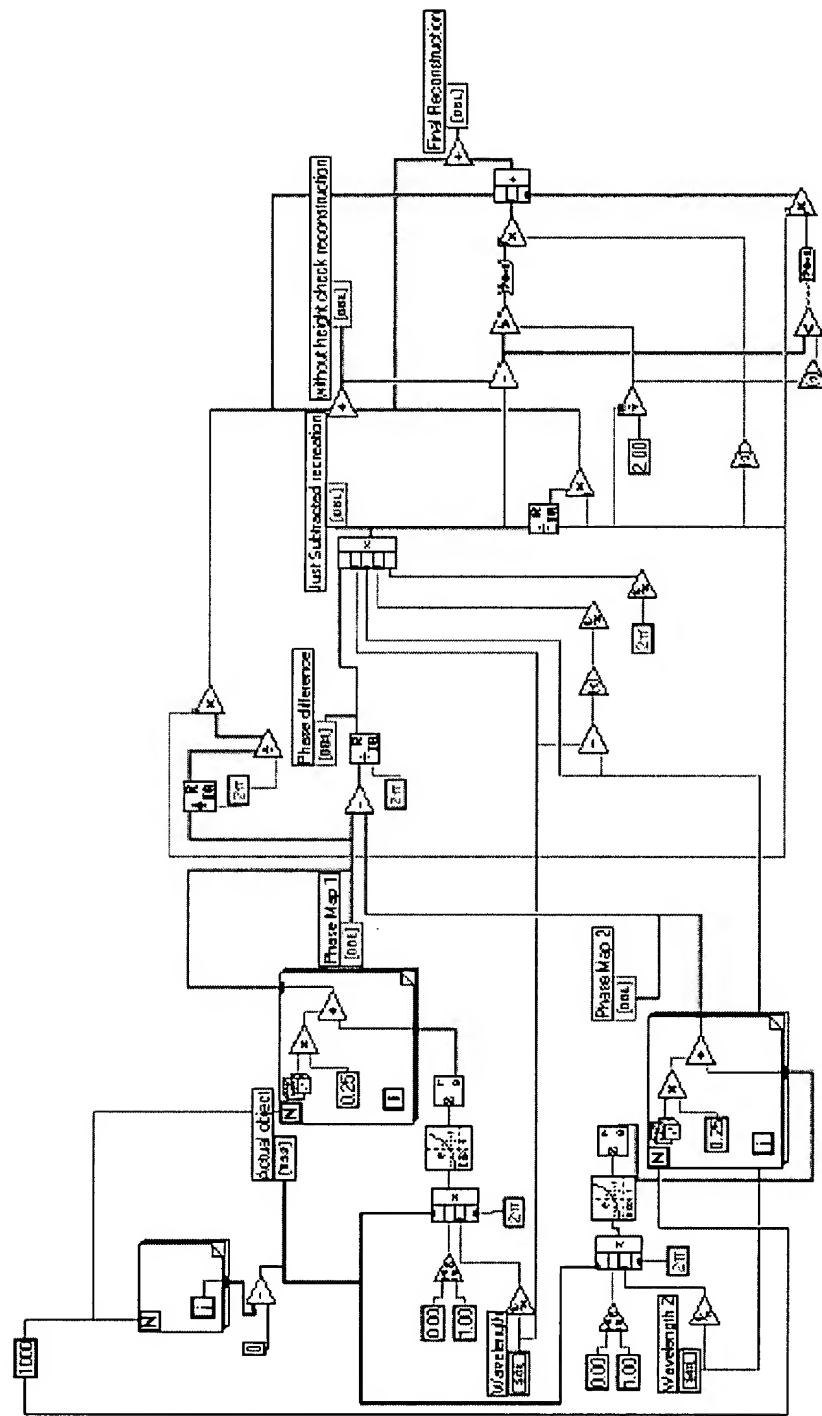


FIG. 24

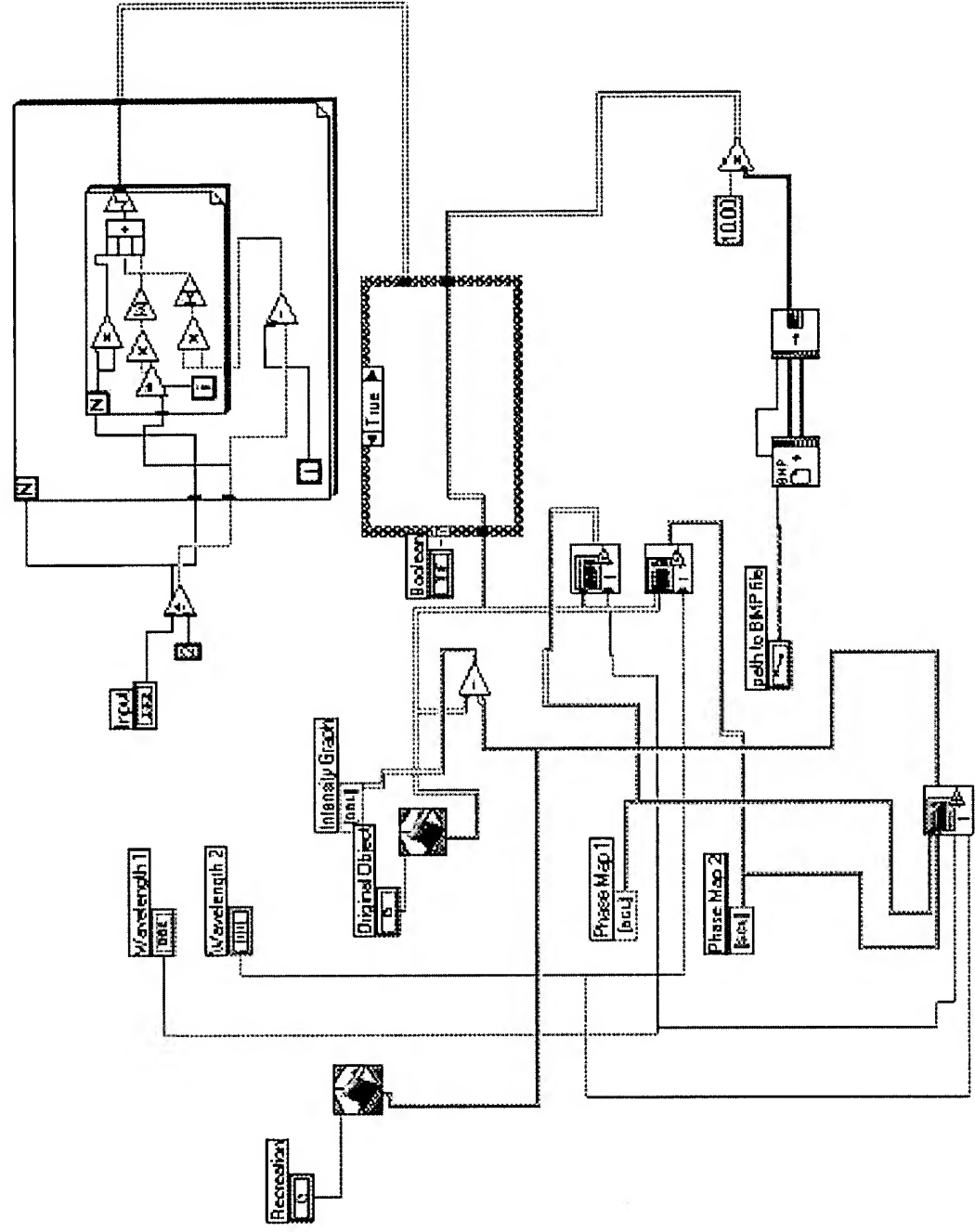




FIG. 25

